


Exhibit A

>gb|AAB39007.1|  transmembrane protein Jagged 1 [Homo sapiens]
Length=1218

GENE ID: 182 JAG1 | jagged 1 (Alagille syndrome) [Homo sapiens]
(Over 10 PubMed links)

Score = 741 bits (1914), Expect = 0.0
Identities = 353/353 (100%), Positives = 353/353 (100%), Gaps = 0/353 (0%)

Query	1	MGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGQSCIPILDDQC	60
Sbjct	866	MGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGQSCIPILDDQC	925
Query	61	FVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMMSPGLTTEHICSELRN	120
Sbjct	926	FVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMMSPGLTTEHICSELRN	985
Query	121	LNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN	180
Sbjct	986	LNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN	1045
Query	181	SSLIAAAVEVRVQRRPLKNRTDFLVPLLSSVLTVAWICCLVTAFYWCLRKRKPGSHTHS	240
Sbjct	1046	SSLIAAAVEVRVQRRPLKNRTDFLVPLLSSVLTVAWICCLVTAFYWCLRKRKPGSHTHS	1105
Query	241	ASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDDMDKHQ	300
Sbjct	1106	ASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDDMDKHQ	1165
Query	301	QKARFAKQPAYTLVDREEKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV	353
Sbjct	1166	QKARFAKQPAYTLVDREEKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV	1218